

Title (en)  
GAP SWITCH FOR WIRELESS SYSTEMS WITH MULTIPLE PARENTS

Title (de)  
SPALTSCHALTER FÜR DRAHTLOSE SYSTEME MIT MEHREREN ELTERN

Title (fr)  
COMMUTATEUR D'ESPACE POUR SYSTÈMES SANS FIL À MULTIPLES PARENTS

Publication  
**EP 4097905 A1 20221207 (EN)**

Application  
**EP 21707095 A 20210127**

Priority  
• US 202062966130 P 20200127  
• US 202117158635 A 20210126  
• US 2021015273 W 20210127

Abstract (en)  
[origin: US2021235345A1] Aspects of the present disclosure provide techniques switching a communication link for wireless systems with multiple parents, such as an Integrated Access and Backhaul (IAB) network or other type of network. In some cases, a node determines a partition of a number of desired guard symbols between a first parent node and a second parent node; sends, to the first parent node and to the second parent node, at least one indication of a partitioned number of the desired guard symbols for switching between the first parent node and the second parent node; receives at least one indication of a number of provided guard symbols from the first and second parent nodes; and switches a communication link from the first parent node to the second parent node in accordance with the at least one indication of provided guard symbols by the first parent node and the second parent node.

IPC 8 full level  
**H04L 5/00** (2006.01); **H04W 40/34** (2009.01); **H04W 72/04** (2009.01); **H04W 84/04** (2009.01); **H04W 92/04** (2009.01)

CPC (source: EP US)  
**H04L 5/0032** (2013.01 - EP); **H04L 5/0094** (2013.01 - EP US); **H04W 36/0011** (2013.01 - EP US); **H04W 36/16** (2013.01 - US); **H04W 40/12** (2013.01 - EP); **H04W 40/22** (2013.01 - EP); **H04W 40/28** (2013.01 - EP); **H04L 5/0007** (2013.01 - EP); **H04W 36/085** (2023.05 - EP US); **H04W 84/047** (2013.01 - EP); **H04W 92/04** (2013.01 - EP)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**US 11432213 B2 20220830**; **US 2021235345 A1 20210729**; CN 115211068 A 20221018; CN 115211068 B 20231027; EP 4097905 A1 20221207; EP 4097905 B1 20231206; WO 2021154843 A1 20210805

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